

INTERNATIONAL SEARCH REPORT

Int ional Application No

PCT/P 03/00707

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01J61/073 H01J61/86

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 866 492 A (USHIO ELECTRIC INC) 23 September 1998 (1998-09-23) page 4, line 15 - line 34 ---	1-10
Y	EP 0 647 964 A (PHILIPS ELECTRONICS NV) 12 April 1995 (1995-04-12) column 1, line 14 - line 18 column 1, line 42 - line 44 tables 1,4,4A ---	1-10
Y	US 5 789 850 A (KAWASHIMA HIROMICHI ET AL) 4 August 1998 (1998-08-04) column 4, line 63 - column 5, line 37 column 7, line 36 - line 42 ---	1-10
Y	US 2001/035719 A1 (EHRlichMANN DIETMAR ET AL) 1 November 2001 (2001-11-01) paragraphs '0036!-'0039! ---	1-10
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

9 July 2003

Date of mailing of the international search report

23/07/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 190 579 B1 (BILLINGS GARTH W) 20 February 2001 (2001-02-20) column 1, line 60 -column 2, line 25 column 7, line 27-29 -----	1
A	US 2002/024280 A1 (MIYAMOTO HIROYUKI ET AL) 28 February 2002 (2002-02-28) abstract; figures 1B, 8B, 15B paragraph '0002! -----	1

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Information on patent family members

In International Application No

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